Create testing class

Project URL= https://www.ebay.com/

1. Create 10 testcases for

    1.Login

    2.Multiple searches using array list or array

    3.Add to cart

    4.delete from cart

    5.Change login name

    6. change current address

    7.shop by categories

    8.select particular product right click on that product image and find out description of that product.

    9.shop by all categories and check whether this function is working fine or not

    10. change the language of your application using setting

```java
package TestNG_basic;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.Test;
public class PageClass {

WebDriver driver;

	By email=By.id("userid");
	By pass=By.id("pass");
	By cont=By.id("signin-continue-btn");
	By search=By.id("gh-ac");
	By submit=By.id("sgnBt");
	private By search_btn;
	private By addToCartBtn;
	private By removeFromCartbtn;
	private CharSequence clear;

	public    PageClass(WebDriver driver)
	{
		this.driver=driver;
	}
	@Test(priority = 1)
	public void email_in()
	{
```

```java
        driver.findElement(email).click();
        driver.findElement(email).clear();

    driver.findElement(email).sendKeys("sanjanapenugo
nda3@gmail.com");
    }

    public void pass_in()
    {
        driver.findElement(pass).click();

    driver.findElement(pass).sendKeys("Sanjana@123");
    }

    public void con_in()
    {
        driver.findElement(cont).click();
    }

    public void submit_in()
    {
        driver.findElement(submit).click();
    }

    @Test(priority = 2)
    public void search_in() throws InterruptedException
    {
        driver.findElement(search).click();
        driver.findElement(search).sendKeys("watch");
```

```java
        driver.findElement(search).sendKeys(Keys.ENTER);
            driver.findElement(search).sendKeys(clear);
            Thread.sleep(3000);


    }

    @Test(priority = 3)
    public void testAddToCart() throws
InterruptedException {
            WebElement searchBox =
driver.findElement(By.id("gh-ac"));
            searchBox.clear();
            searchBox.sendKeys("iPhone 14");
            driver.findElement(By.xpath("//*[@id=\"gh-
search-btn\"]/span")).click();
            Thread.sleep(3000);

            // 2. Select first product

driver.findElement(By.xpath("//*[@id=\"item29154cb96d
\"]/div/div[1]/div/a/div/img")).click();


            // Switch to product page tab
            for (String handle :
driver.getWindowHandles()) {
                driver.switchTo().window(handle);
            }
```

```java
        // 3. Click Add to Cart
        WebElement addToCartBtn =
driver.findElement(By.xpath("//*[@id=\"atcBtn_btn_1\"]/
span/span"));
            addToCartBtn.click();

            Thread.sleep(3000);
    }
    @Test(priority = 4)

    public void removecart() {
            WebElement removecart =
driver.findElement(By.xpath("//*[@id=\"mainContent\"]/
div[1]/div[6]/ul/li[2]/div[1]/div/div[2]/div[3]/div/div/div[1]
/div[2]/div/div/div/div[1]/a/span/span"));
            removecart.click();
            WebElement remove =
driver.findElement(By.cssSelector("button[data-test-
id=\"cart-remove-item\"]"));
            remove.click();

    }


    @Test(priority = 5)

    public void changeloginname() throws
InterruptedException {
```

```java
		// 3. Navigate to Personal Info
		driver.findElement(By.linkText("My eBay")).click();
		Thread.sleep(2000);

driver.findElement(By.linkText("Summary")).click();
		Thread.sleep(2000);

		// Go to Account Settings -Personal Info

driver.findElement(By.linkText("Account")).click();
		Thread.sleep(2000);



		driver.findElement(By.linkText("Personal Information")).click();
		Thread.sleep(3000);

		// 4. Click edit on Name

driver.findElement(By.xpath("//a[contains(text(),'Edit') and contains(@href,'name')]")).click();
		Thread.sleep(2000);

		// 5. Change name
		WebElement firstName = driver.findElement(By.id("firstname"));
		firstName.clear();
		firstName.sendKeys("Sanju");
```

```java
		WebElement lastName =
driver.findElement(By.id("lastname"));
		lastName.clear();
		lastName.sendKeys("Penugonda");

		driver.findElement(By.id("saveBtn")).click();
		Thread.sleep(3000);
	}
@Test(priority = 6)

	public void shopByCategoriesTest() throws
InterruptedException {
	try {
		driver.get("https://www.ebay.com/");

driver.findElement(By.xpath("//*[@id=\"gh\"]/section/div
/div/div/button/span")).click();

driver.findElement(By.linkText("Electronics")).click();
			System.out.println("Shop by Categories
Test: Executed");
		} catch (Exception e) {
			System.out.println("Shop by Categories
Test Failed: " + e.getMessage());
		}
}
@Test(priority = 7)
public void shopByAllCategoriesTest() {
```

```java
    try {
        driver.findElement(By.id("gh-cat")).click();
        driver.findElement(By.linkText("See all
categories")).click();
        System.out.println("Shop by All Categories Test:
Executed");
    } catch (Exception e) {
        System.out.println("Shop by All Categories Test
Failed: " + e.getMessage());
    }
}

@Test(priority = 8)
public void productDescriptionTest() throws
InterruptedException {
    // 1. Search for product
    driver.findElement(By.id("gh-
ac")).sendKeys("headphones");
    driver.findElement(By.xpath("//*[@id=\"gh-search-
btn\"]/span")).click();
    Thread.sleep(3000);

    // 2. Find first product image
    WebElement productImage =
driver.findElement(By.cssSelector(".s-item img"));


    Actions actions = new Actions(driver);
    actions.contextClick(productImage).perform();
```

```java
        Thread.sleep(2000);

        System.out.println("Right-click performed on
product image ");
}
@Test(priority = 9)
public void languageChnage() throws
InterruptedException {
        WebElement country =
driver.findElement(By.cssSelector("button[class=\"gf-
flag__button\"]"));
        country.sendKeys(Keys.ENTER);
        Thread.sleep(2000);
        driver.findElement(By.linkText("Spain")).click();

        }
}
```

```java
package TestNG_basic;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeTest;

import java.time.Duration;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterTest;

public class ebay_class_page {
    WebDriver driver;
    PageClass pg;
    private By search;
    private By search_btn;
    private By addToCartBtn;

        @BeforeTest
        public void setup() {
            driver = new ChromeDriver();
            pg=new PageClass(driver);
            driver.get("https://www.ebay.com/");
            driver.manage().window().maximize();

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
```

```java
        }

    @Test(priority=1)
    public void login() {

driver.get("https://signin.ebay.com/ws/eBayISAPI.dll?SignIn
&sgfl=gh&ru=https%3A%2F%2Fwww.ebay.com%2F");
        pg.email_in();
        pg.con_in();
        pg.pass_in();
        pg.submit_in();
    }

    @Test(priority=2)
    public void search() throws InterruptedException {
        pg.search_in();
    }


    @Test(priority = 3)
    public void testAddToCart() throws InterruptedException
{
        pg.testAddToCart();
        pg.removecart();

    }

        @Test(priority = 5)
```

```java
    public void changeloginname() throws
InterruptedException {
    pg.changeloginname();
    }


    @Test(priority = 6)

    public void shopByCategoriesTest() throws
InterruptedException {
    pg.shopByCategoriesTest();
  }

    @Test(priority = 7)

    public void shopByAllCategoriesTest() throws
InterruptedException {
        pg.shopByAllCategoriesTest();
    }

    @Test(priority = 8)

    public void productDescriptionTest() throws
InterruptedException {
            pg.productDescriptionTest();
        }

@Test(priority = 8)
```

```java
        public void languageChnage() throws
InterruptedException {
                pg.languageChnage();
        }
    }
```